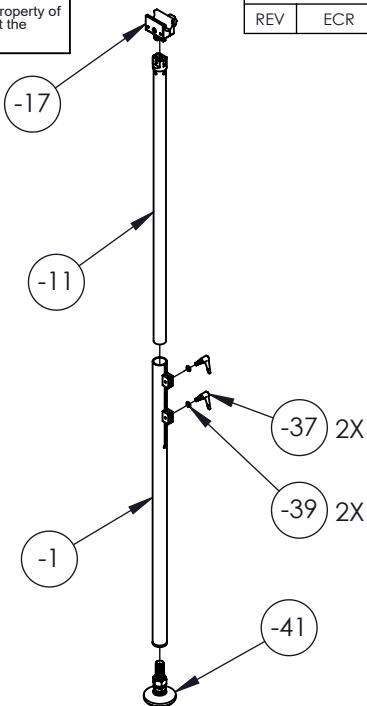


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV				ECR				DESCRIPTION				REVISIONS			
DATE		INITIAL		APPROVED											



ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				X	-1	1	OUTER TUBE WELDMENT			2
				1	-3		OUTER TUBE	6061 TELESCLIC TUBE		3
				1	-5		SWIVEL FOOT POST	6061		4
				2	-7		CLAMP PLATE	6061		5
				2	-9		CLAMP PLATE, THREADED	6061		6
				X	-11	1	INSIDE TUBE WELDMENT			7
				1	-13		INSIDE TUBE	6061 TELESCLIC TUBE		8
				1	-15		POST	6061		9
				X	-17	1	CRADLE ASSEMBLY			10
				X	-19		UPPER CRADLE ASSEMBLY			11
				1	-21		UPPER CRADLE CLAMP	6061		12
				1	-23		UPPER CRADLE CLAMP	6061		13
				2	B/O -25		DOWEL PIN	S.S.	ØM6 X 50mm (MCMASTER-CARR #91585A700)	11
				1	B/O -27		HEADLESS CLEVIS PIN	S.S.	Ø3/8 X 1-1/4 USABLE (MCMASTER-CARR #93890A154)	10
				1	B/O -29		HEX HEAD CAP SCREW	STEEL	M8 x 1.25 X 65mm (MCMASTER-CARR # 91280A979)	10
				2	B/O -31		COMPRESSION SPRING	MUSIC WIRE	Ø.022 X .3 O.D. X 3/4 (MCMASTER-CARR #9657K286)	10
				1	B/O -33		SPRING PIN	STEEL	M3 X 12mm (MCMASTER-CARR #91611A155)	10
				1	B/O -35		SEVEN LOBE KNOB	S.S.	5/16-18, 1-9/16 O.D. (MCMASTER-CARR #8558K6)	10
				1	B/O -37	2	ADJUSTABLE HANDLE	STEEL	5/16-18 X 3/4 X 2-9/16 (MCMASTER-CARR #64835K691)	1
				1	B/O -39	2	FLAT WASHER	STEEL	Ø5/16 (MCMASTER-CARR #98023A030)	1
				ASSY -19	B/O -41	1	SWIVEL FOOT	STEEL	1-8 X 3-1/2, Ø4 (MCMASTER-CARR #6111K64)	1

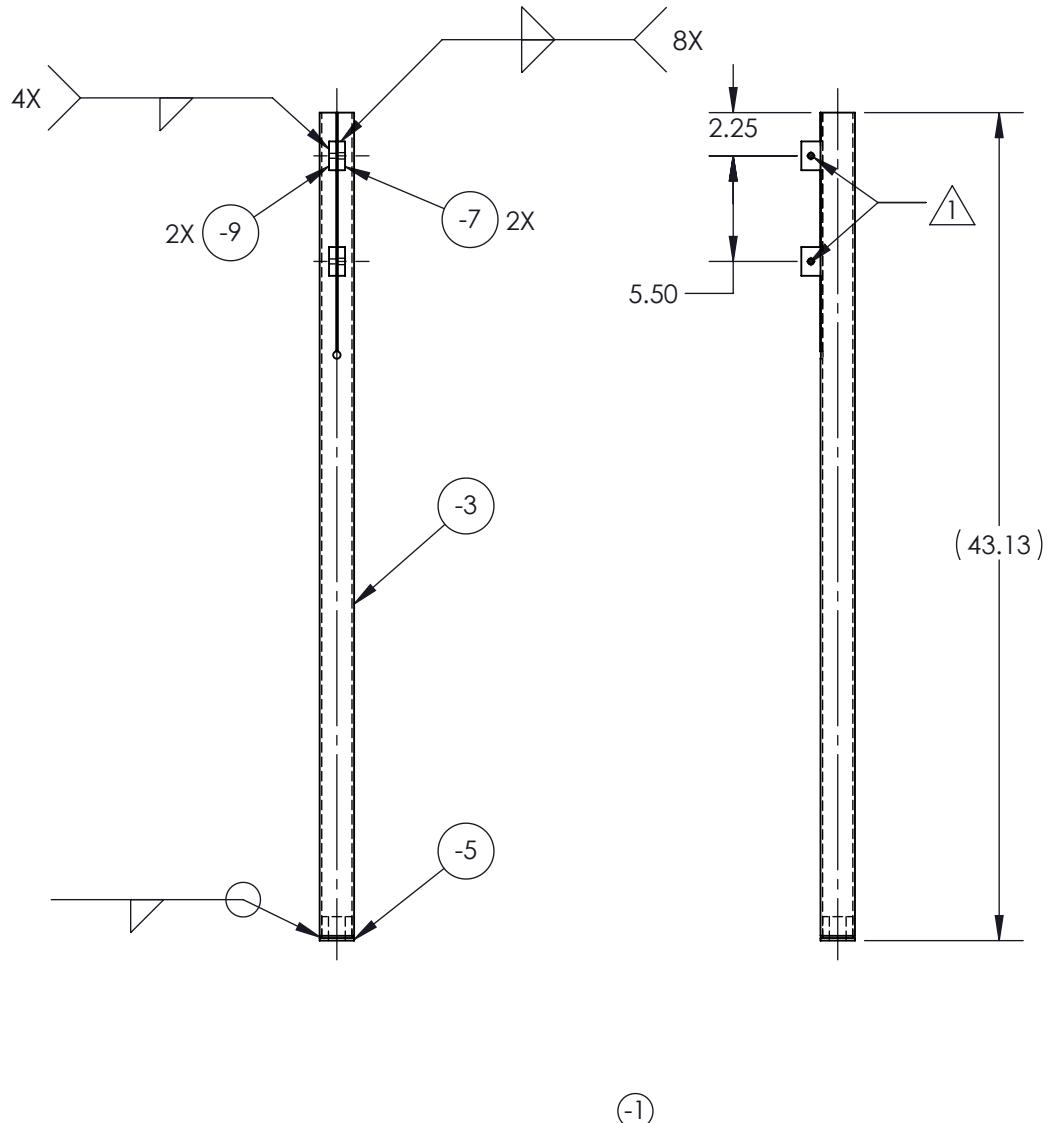
NOTE:  
REFERENCE EUROCOPTER T/N 117-30001W2.



TITLE		REV	
DWG NO.		1	
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT		.XXX ± .005 FRACTIONS ± 1/8	
FINISH		.XX ± .01 ANGLES ± 5°	
SPEC		X ± .1 SURFACES = 125 ✓	
DRAWN BY: RJC 07/10/2017		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DD 07/10/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: AA 07/14/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: JL 07/19/2017		USED ON MODEL	
APPROVED: JAG 07/26/2017		EC145, EC645	
SCALE 1:24		DATE 7/10/2017	
ASSY -17		SHEET 1 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



## OUTER TURF WFI DMFNT

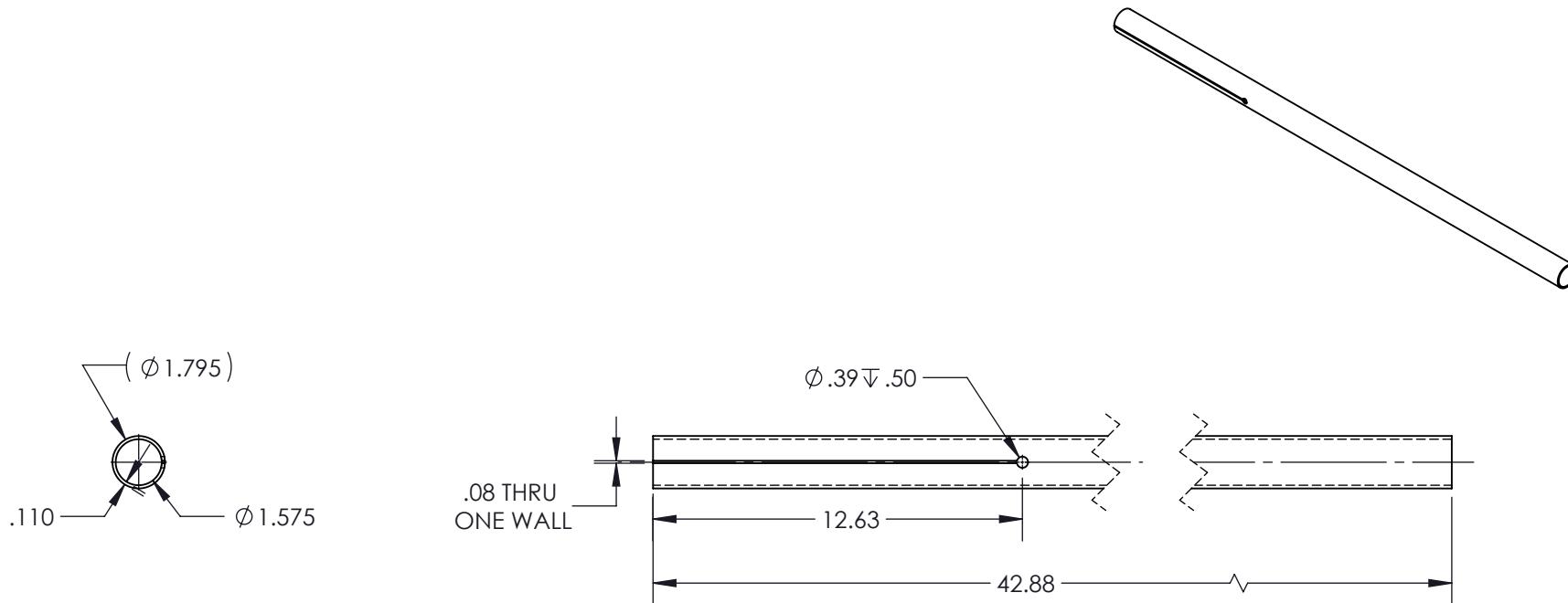
NOTE:  
ALIGN HOLES -7 & -9.



 <b>TAIL BOOM SUPPORT</b>			
TITLE		TAIL BOOM SUPPORT	
DWG NO.		RBE117-30001W2-1	
		REV 1	
MATERIAL		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH POWDER COAT YELLOW		.005 ± .005 FRACTIONS ± 1/8	
SPEC FED #13538		.01 ± .01 ANGLES ± .5°	
DRAWN BY: RJC 07/10/2017		.1 ± .1 SURFACES = 125	
CHECKED: DD 07/10/2017		1. BREAK ALL SHARP EDGES	
OPPS APPR: AA 07/14/2017		.015 x 45° OR .015R	
QA APPR: JL 07/19/2017		2. DIMENSIONAL LIMITS APPLY	
APPROVED: JAG 07/26/2017		AFTER PLATING	
SCALE 1:10		3. INTERPRET DIM AND TOL PER	
		ASME Y14.5M-2009	
		USED ON MODEL	
		EC145, EC645	
		SHEET 2 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



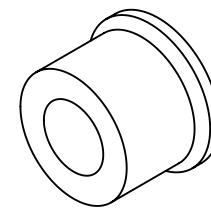
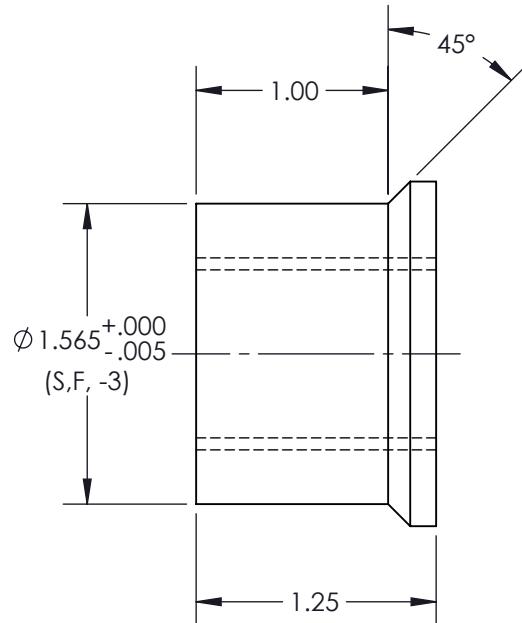
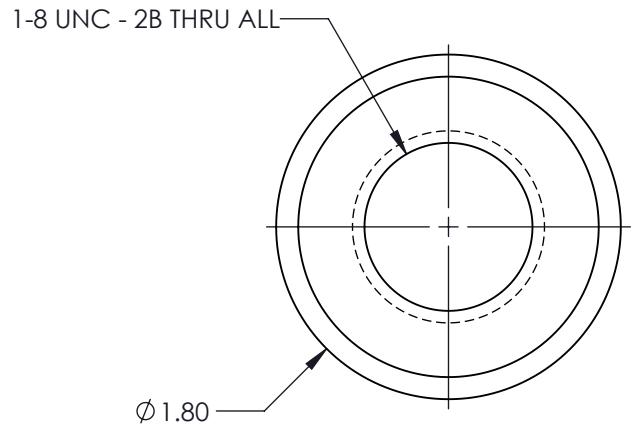
(-3)

OUTER TUBE

DART AEROSPACE	
TITLE	
TAIL BOOM SUPPORT	
DWG NO.	RBE117-30001W2-3
REV	1
MAT'L 6061 TELESCOPIC TUBE	
HEAT	
TREAT	
FINISH SEE - 1	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	RJC 07/10/2017
CHECKED:	DD 07/10/2017
OPPS APPR:	AA 07/14/2017
QA APPR:	JL 07/19/2017
APPROVED:	JAG 07/26/2017
USED ON MODEL	
EC145, EC645	
SCALE	1:6
DATE	7/10/2017
SHEET 3 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL
		APPROVED		



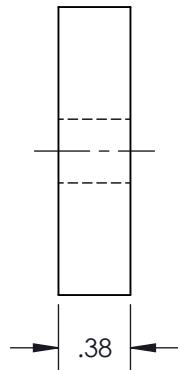
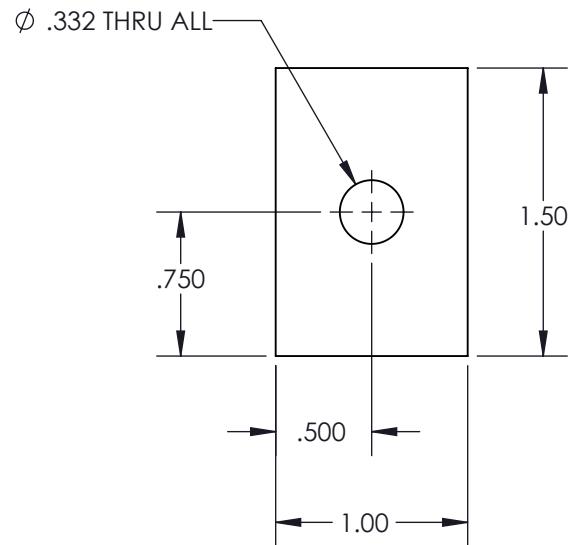
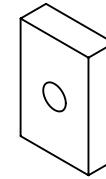
(-5)

SWIVEL FOOT POST

	
TITLE	
DWG NO.	TAIL BOOM SUPPORT
	RBE117-30001W2-5
REV	1
MAT'L	6061
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY:	X ± .1 SURFACES = 125 ✓
CHECKED:	.015 x 45° OR .015R
OPPS APPR:	2. DIMENSIONAL LIMITS APPLY
QA APPR:	AFTER PLATING
APPROVED:	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE	USED ON MODEL
DATE	EC145, EC645
7/10/2017	
SHEET 4 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



(-7)

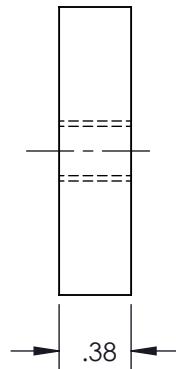
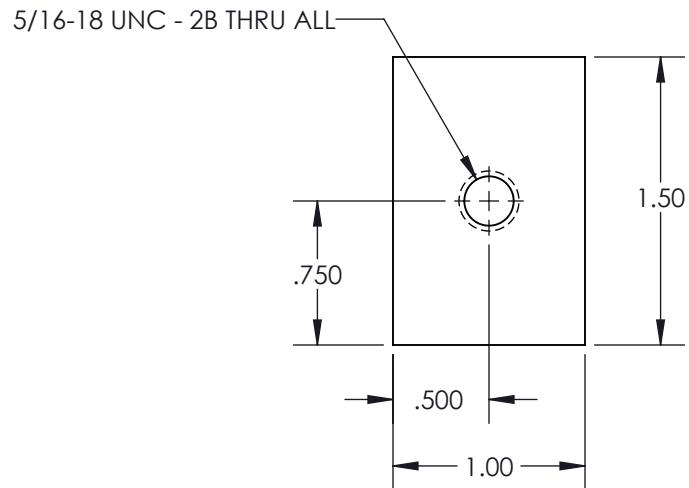
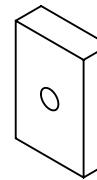
CLAMP PLATE

DART AEROSPACE	
TITLE	
TAIL BOOM SUPPORT	
DWG NO.	
RBE117-30001W2-7	
REV 1	
MAT'L 6061	
HEAT	
TREAT	
FINISH SEE -1	
SPEC	
DRAWN BY: RJC 07/10/2017	
CHECKED: DD 07/10/2017	
OPPS APPR: AA 07/14/2017	
QA APPR: JL 07/19/2017	
APPROVED: JAG 07/26/2017	
SCALE	1:1
DATE	7/10/2017
USED ON MODEL	
EC145, EC645	
SHEET 5 OF 13	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .005 FRACTIONS ± 1/8  
.XX ± .01 ANGLES ± 5°  
X ± .1 SURFACES = 125 ✓  
1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



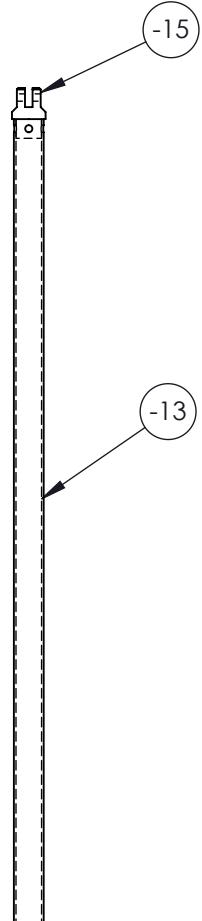
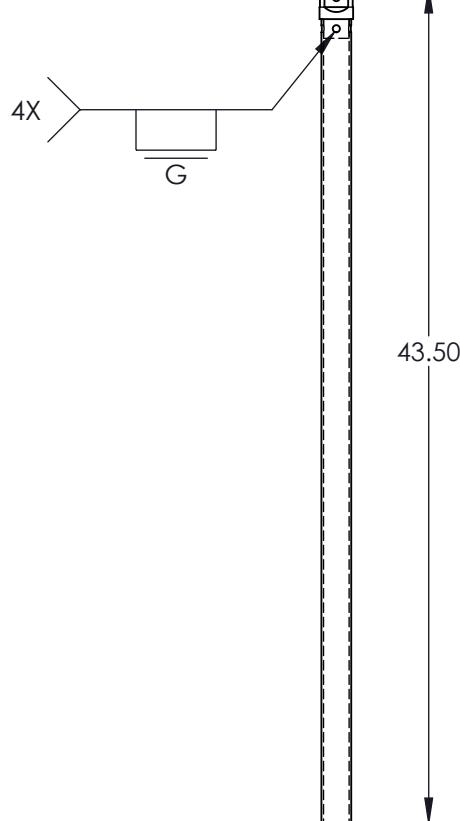
(-9)

CLAMP PLATE, THREADED

		TITLE	
TAIL BOOM SUPPORT			
DWG NO.		RBE117-30001W2-9	
MAT'L 6061		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.XXX ± .005 FRACTIONS ± 1/8	
TREAT		.XX ± .01 ANGLES ± 5°	
FINISH SEE -1		X ± .1 SURFACES = 125	
SPEC		✓	
DRAWN BY: RJC 07/10/2017		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DD 07/10/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: AA 07/14/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: JL 07/19/2017		USED ON MODEL	
APPROVED: JAG 07/26/2017		EC145, EC645	
SCALE 1:1		DATE 7/10/2017	
		SHEET 6 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



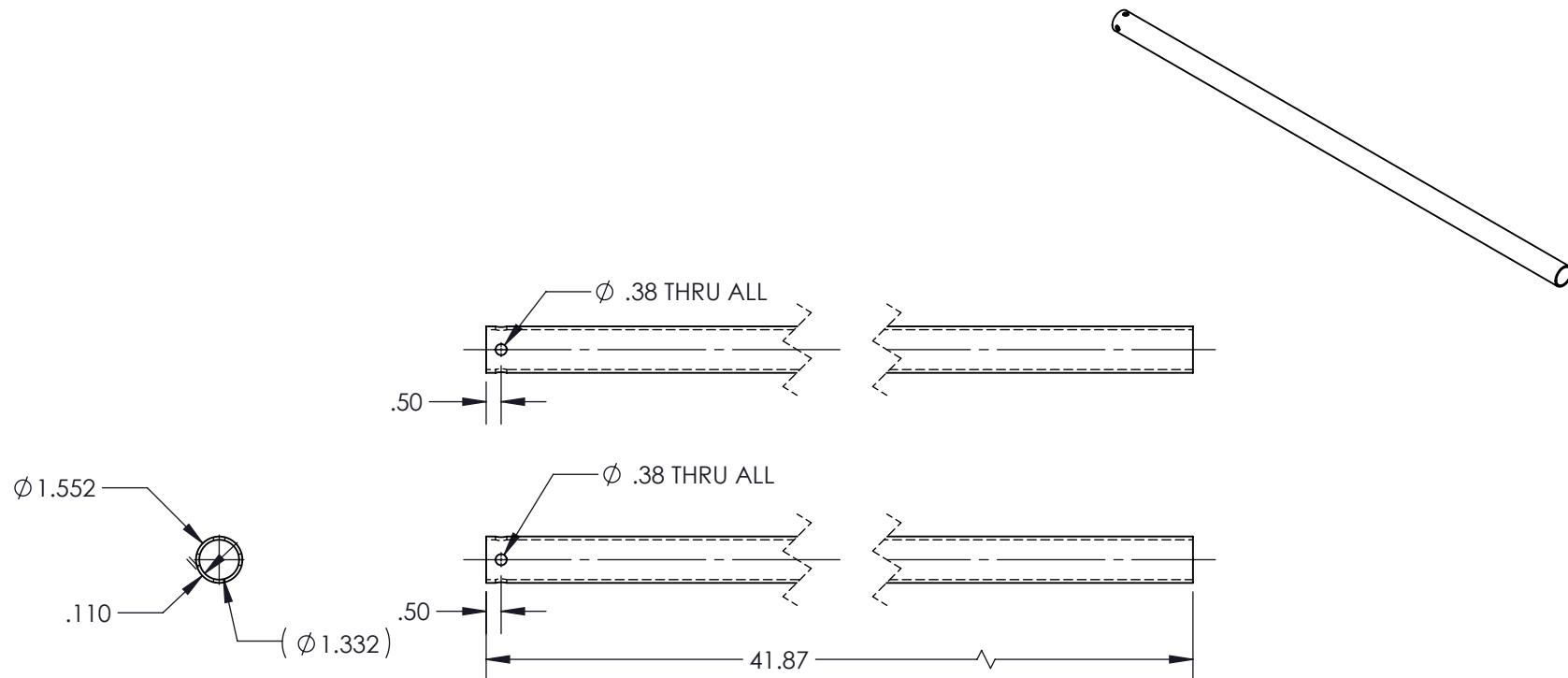
INSIDE TUBE WELDMENT

TITLE		DART AEROSPACE	
DWG NO.		RBE117-30001W2-11	
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
HEAT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8		
TREAT	.XX $\pm$ .01 ANGLES $\pm$ 5°		
FINISH	CLEAR ANODIZE X $\pm$ .1 SURFACES = 125		
SPEC	MIL-A-8625F, TYPE II, CLASS I		
DRAWN BY:	.015 x 45° OR .015R		
CHECKED:	2. DIMENSIONAL LIMITS APPLY		
OPPS APPR:	3. INTERPRET DIM AND TOL PER		
QA APPR:	ASME Y14.5M-2009		
APPROVED:	USED ON MODEL		
SCALE	1:10	DATE	7/10/2017
	EC145, EC645		
	SHEET 7 OF 13		

(-11)

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



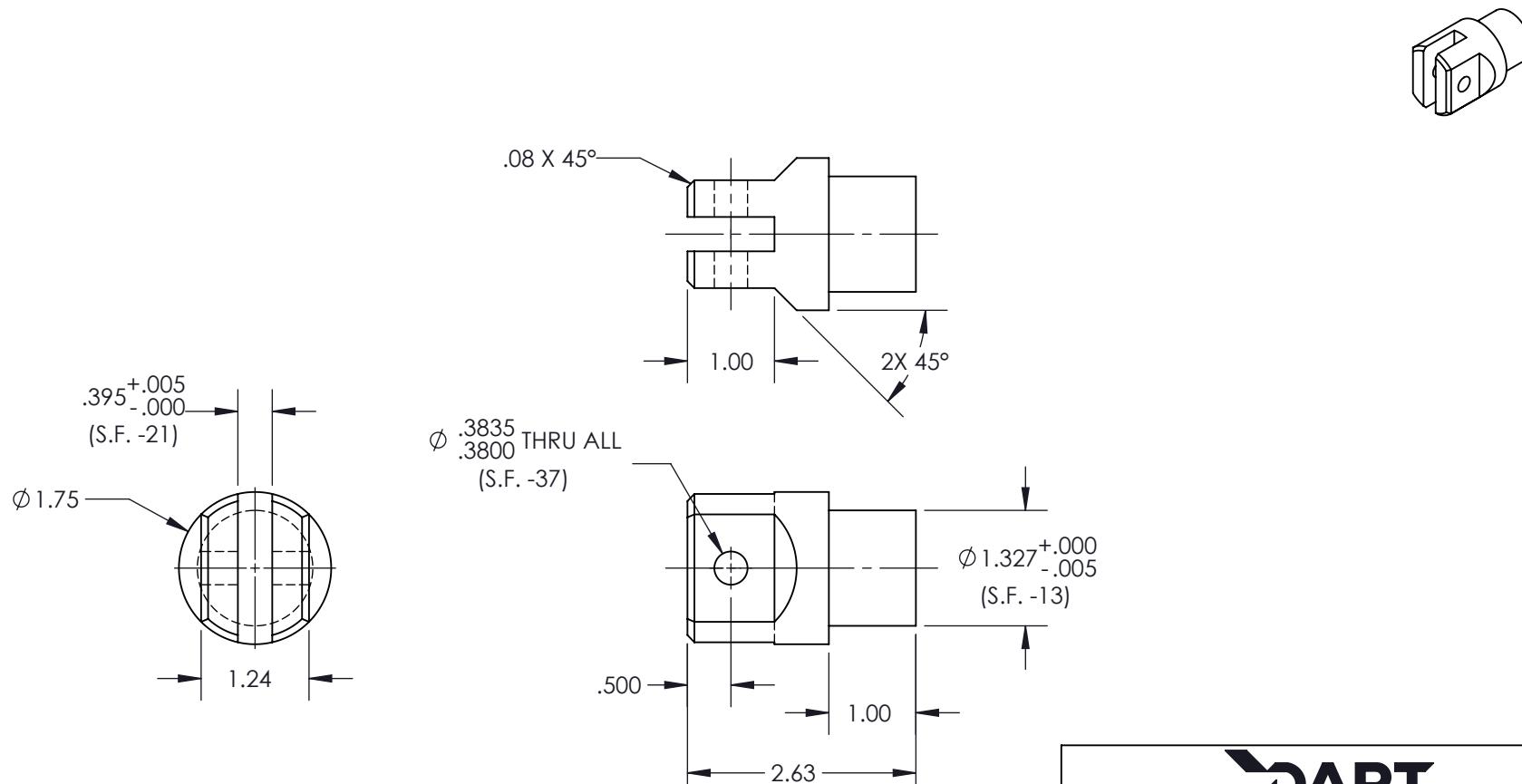
(-13)

INSIDE TUBE

	
TITLE	
DWG NO.	TAIL BOOM SUPPORT
	RBE117-30001W2-13
REV	1
MAT'L 6061 TELESCOPIC TUBE	
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE-11	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY:	RJC 07/10/2017
CHECKED:	DD 07/10/2017
OPPS APPR:	AA 07/14/2017
QA APPR:	JL 07/19/2017
APPROVED:	JAG 07/26/2017
USED ON MODEL	EC145, EC645
SCALE	1:6
DATE	7/10/2017
SHEET 8 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

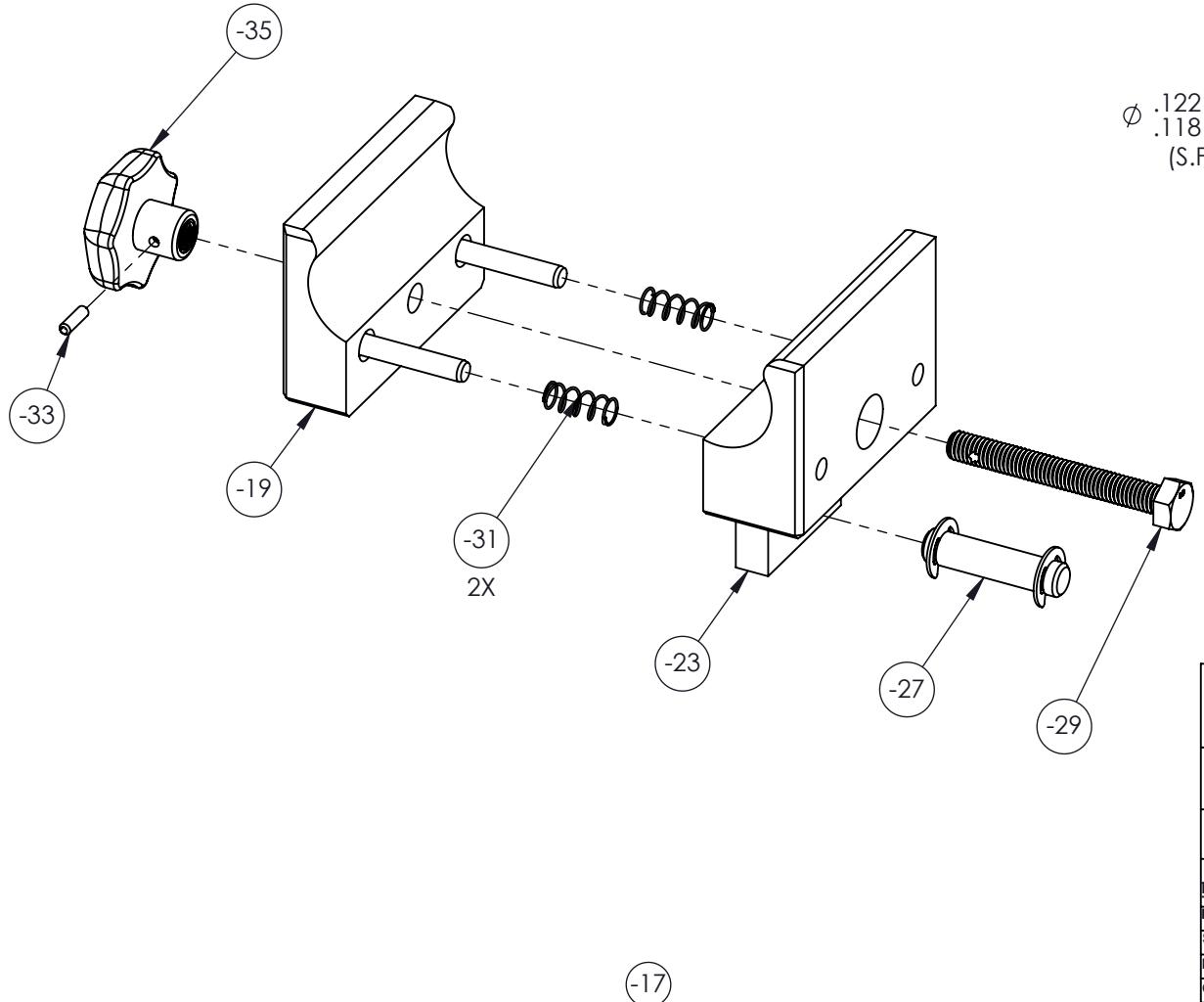
REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL	APPROVED
-----	--	-----	--	-----------	--	--	-------------	--	------	--	---------	----------



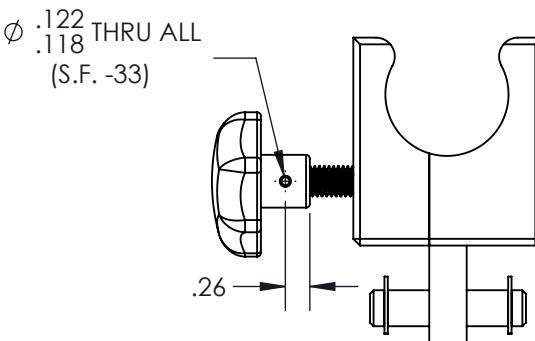
<b>DART</b> AEROSPACE	
TITLE	
TAIL BOOM SUPPORT	
DWG NO.	
RBE117-30001W2-15	
REV	
1	
MAT'L 6061      UNLESS OTHERWISE SPECIFIED HEAT      DIMENSIONS ARE IN INCHES TREAT      .XXX ± .005      FRACTIONS ± 1/8 FINISH SEE -11      .XX ± .01      ANGLES ± 5° SPEC      .X ± .1      SURFACES = 125 ✓ 	
DRAWN BY: RJC 07/10/2017 CHECKED: DD 07/10/2017 OPPS APPR: AA 07/14/2017 QA APPR: JL 07/19/2017 APPROVED: JAG 07/26/2017	
USED ON MODEL	
EC145, EC645	
SCALE	1:2
DATE	7/10/2017
SHEET 9 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



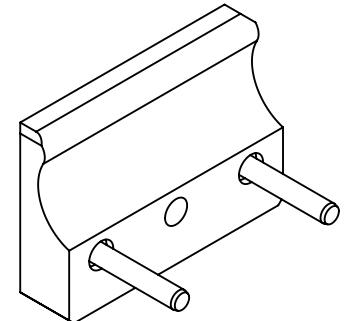
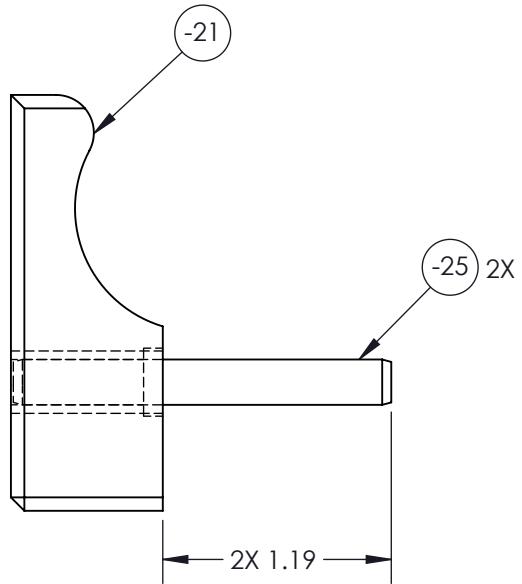
CRADLE ASSEMBLY



	
<b>TITLE</b> <b>TAIL BOOM SUPPORT</b>	
<b>DWG NO.</b>	RBE117-30001-W2-17
<b>REV</b>	1
<b>MAT'L</b>	UNLESS OTHERWISE SPECIFIED
<b>HEAT</b>	DIMENSIONS ARE IN INCHES
<b>TREAT</b>	.XXX ± .005 FRACTIONS ± 1/8
<b>FINISH</b>	.XX ± .01 ANGLES ± 5°
<b>SPEC</b>	X ± .1 SURFACES = 125 ✓
<b>DRAWN BY:</b>	CLOUGH
<b>CHECKED:</b>	DD 7/10/2017
<b>OPPS APPR:</b>	AA 07/14/2017
<b>QA APPR:</b>	JL 07/19/2017
<b>APPROVED:</b>	JAG 07/26/2017
<b>USED ON MODEL</b> EC145, EC645	
<b>SCALE</b>	1:2
<b>DATE</b>	7/10/2017
<b>SHEET</b> 10 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



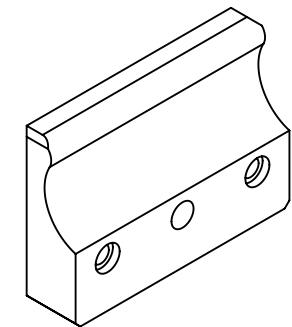
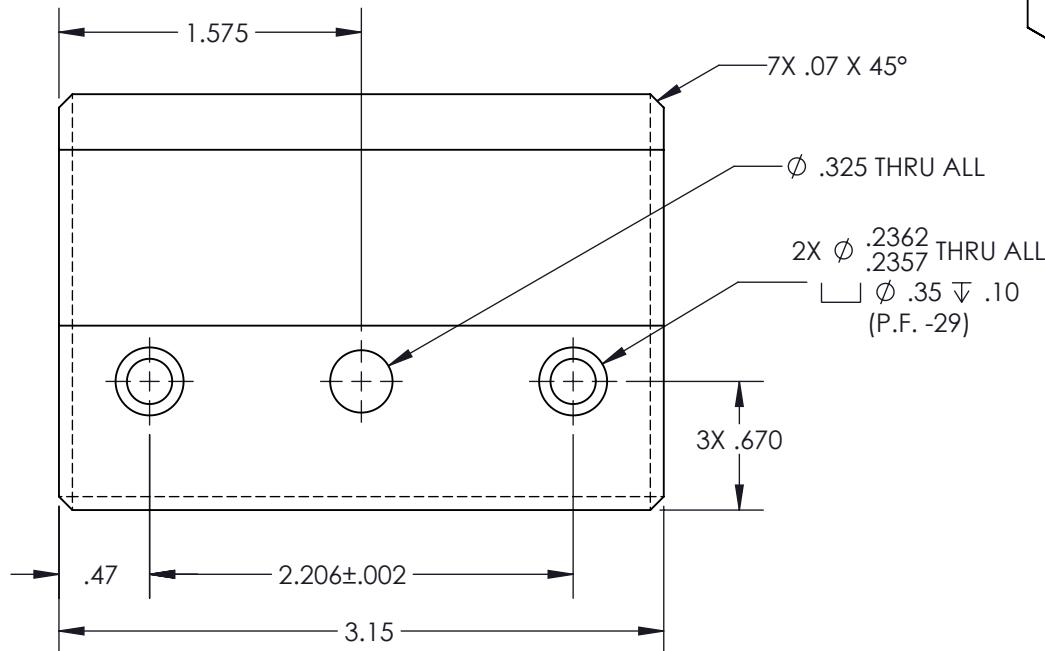
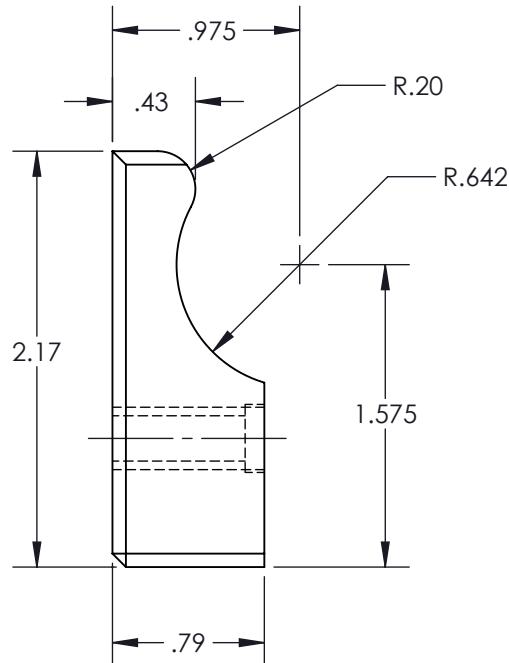
-19

UPPER CRADLE ASSEMBLY

TITLE		DART AEROSPACE	
TAIL BOOM SUPPORT			
DWG NO.		RBE117-30001W2-19	
REV		1	
MATERIAL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.XXX ± .005 FRACTIONS ± 1/8	
TREAT		.XX ± .01 ANGLES ± 5°	
FINISH		X ± .1 SURFACES = 125	
SPEC		✓	
DRAWN BY: RJC 07/10/2017		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DD 07/10/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: AA 07/14/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: JL 07/19/2017		USED ON MODEL	
APPROVED: JAG 07/26/2017		EC145, EC645	
SCALE 1:1		DATE 7/10/2017	
		SHEET 11 OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



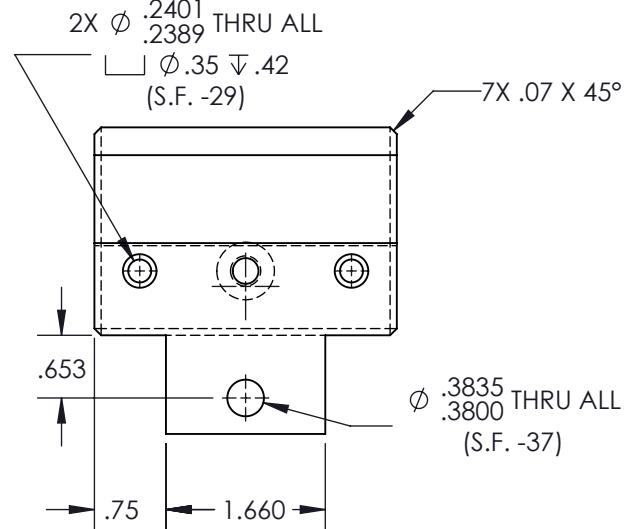
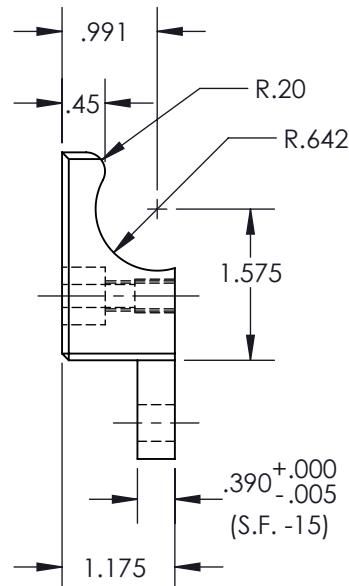
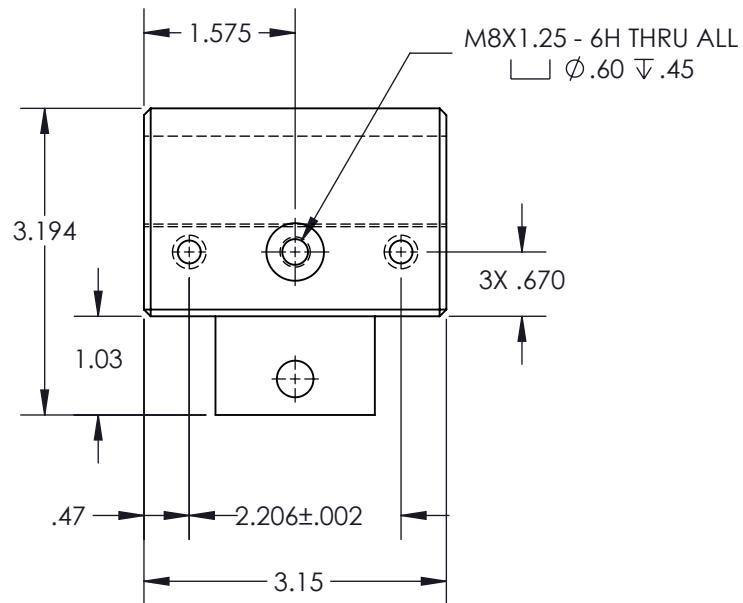
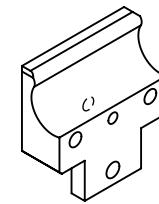
TITLE		DART	
		AEROSPACE	
DWG NO.		RBE117-30002W1-21	
REV		1	
MATERIAL		6061	
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
MIL-A-8625F, TYPE II, CLASS I		X ± .1 SURFACES = 125 ✓	
DRAWN BY:		1. BREAK ALL SHARP EDGES	
RJC 07/10/2017		.015 x 45° OR .015R	
CHECKED:		2. DIMENSIONAL LIMITS APPLY	
DD 07/10/2017		AFTER PLATING	
OPPS APPR:		3. INTERPRET DIM AND TOL PER	
AA 07/14/2017		ASME Y14.5M-2009	
QA APPR:		USED ON MODEL	
JL 07/19/2017		EC145, EC645	
APPROVED:		SCALE 1:1 DATE 7/10/2017 SHEET 12 OF 13	

(-21)

UPPER CRADLE CLAMP

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
-----	-----	-----------	-------------	------	---------	----------



(-23)

UPPER CRADLE CLAMP

TITLE	
TAIL BOOM SUPPORT	
DWG NO.	
RBE117-30001W2-23	
REV 1	
MAT'L 6061	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .005 FRACTIONS ± 1/8	
TREAT .XX ± .01 ANGLES ± 5°	
FINISH CLEAR ANODIZE X ± .1 SURFACES = 125 ✓	
SPEC MIL-A-8625F, TYPE II, CLASS I	
DRAWN BY: RJC 07/10/2017	
CHECKED: DD 07/10/2017	
OPPS APPR: AA 07/14/2017	
QA APPR: JL 07/19/2017	
APPROVED: JAG 07/26/2017	
SCALE 1:2	DATE 7/10/2017
USED ON MODEL EC145, EC645	
SHEET 13 OF 13	